

SIDDHANT SHUKLA

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Tr8n

EDUCATION

Pranveer Singh Institute of Technology

B.Tech in Computer Science and Engineering (Cyber Security)

Dec 2022 – Jul 2026

Kanpur, Uttar Pradesh, India

United Public School

ICSE Board - Class 10th

2007 – 2020

Kanpur, Uttar Pradesh, India

United Public School

ICSE Board - Class 12th

2020 – 2022

Kanpur, Uttar Pradesh, India

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Database Management Systems
- Machine Learning
- OOP Concepts
- Web Development

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, SQL, HTML, CSS

Frameworks & Libraries: React, Next.js, Node.js, Express, Spring Boot, Tailwind CSS, Bootstrap, MongoDB,

Data Science & AI: Pandas, NumPy, scikit-learn, Generative AI

Tools & Technologies: Git, Linux, MS Office, Excel

Projects

LinkUp – Personal Link Manager

MERN, AI-Powered Summarization

Developed a full-stack SaaS application using React, Node.js, and MongoDB to manage and prioritize personal links. Integrated AI summarization for smart insights and Chrome extension support for fast access.

<https://github.com/Tr8n/LinkUp>

Sorting Visualizer

React, JavaScript

Developed an interactive tool to visualize sorting algorithms with real-time animations and adjustable speed/array size.

<https://tr8n.github.io/Sorting-Visualizer/>

Weather Prediction (ML)

Python, scikit-learn

Trained Random Forest, SVM, KNN, and ANN models on weather data with 85% accuracy. Performed data preprocessing and model evaluation.

<https://tr8n.github.io/WeatherApp/>

School Management System (MERN)

React, Node.js, MongoDB

Created a full-stack ERP with role-based access, secure login, admin dashboard, and MongoDB integration.

<https://github.com/Tr8n/School-ERP>

Experience

AI Training Intern

Outliar, Sep 2024 – Mar 2025

- Developed and fine-tuned ML models using Python, TensorFlow, and scikit-learn on real datasets.
- Hands-on experience in data preprocessing, feature engineering, hyperparameter tuning, and model evaluation.
- Collaborated on AI prototypes including classification and regression models, improving accuracy by 15%.
- Explored generative AI concepts and implemented projects using state-of-the-art frameworks.
- Applied best practices in AI model deployment, version control (Git), and documentation.

Achievements & Certifications

- **Meta Back-End Development Specialization** – Coursera (2024): API Design, Databases, DevOps
- **Advanced JavaScript** – Udemy (2023): ES6+, React, Node.js, OOP
- **Intro to Generative AI** – Coursera (2024): LLMs, Prompt Engineering
- **Codeforces (Rating: 923)** – Top 15%: Algorithm Design, Debugging